

(19) World Intellectual Property
Organization
International Bureau



532885

(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/040437 A1

(51) International Patent Classification⁷: **G06F 7/48**

(74) Agent: FASSE, Peter, J.; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).

(21) International Application Number:
PCT/US2003/034308

(22) International Filing Date: 28 October 2003 (28.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/421,736 28 October 2002 (28.10.2002) US

(71) Applicant (for all designated States except US): THE GENERAL HOSPITAL CORPORATION [US/US]; 55 Fruit Street, Boston, MA 02114 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SORENSEN, Gregory, A. [US/US]; 7 Winthrop Road, Lexington, MA 02421 (US). MENEZES, Nina, M. [CA/US]; 1010 Massachusetts Avenue, #65, Cambridge, MA 02138 (US). AY, Hakan [TR/US]; 42 8th Street, Suite 1315, Charlestown, MA 02129 (US).

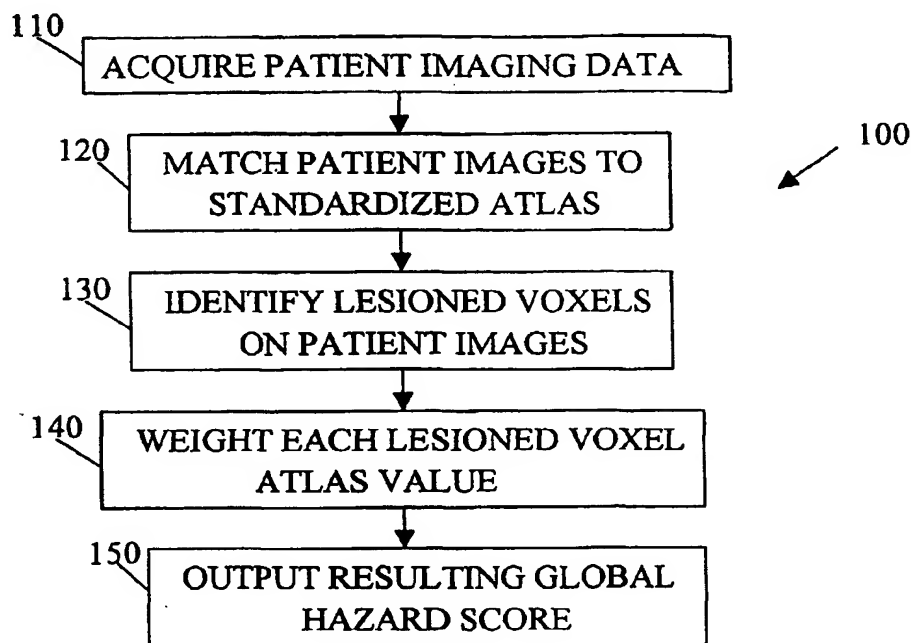
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: TISSUE DISORDER IMAGING ANALYSIS



(57) Abstract: Methods and systems are described for quantitatively determining a score (150) for a patient having a disorder, e.g., a stroke, in a tissue, such as the brain, by analyzing both the extent and location of damage (110, 120, 130 AND 140) to the tissue caused by the disorder.

WO 2004/040437 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.